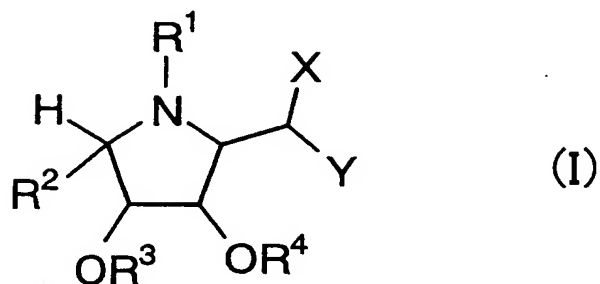


## Abstract

The present invention provides a compound represented by the formula (I) or a salt thereof:



wherein  $R^1$  represents a hydrogen atom, a  $C_{1-10}$  alkyl group optionally having a substituent, or a protecting group of N;  $R^2$  represents a  $C_{1-10}$  alkyl group optionally having a substituent or a  $C_{2-10}$  alkenyl group optionally having a substituent;  $R^3$  and  $R^4$  independently represent a hydrogen atom or a protecting group of hydroxyl group; X represents  $-N(R^5)R^6$  or a residue of amino acid or of an amino group of a peptide wherein  $R^5$  and  $R^6$  independently represent a hydrogen atom, a  $C_{1-10}$  alkyl group optionally having a substituent, or a  $C_{3-12}$  cycloalkyl group optionally having a substituent; and Y represents a hydrogen atom,  $-CH_2NH_2$ ,  $-CONH_2$ , or  $-COOH$ . The compound of the present invention is useful as a specific inhibitor of sugar chain related enzymes such as glycosyltransferase and glycosidase, and is useful as, for example, a medicine for treating or preventing diseases associated with sugar chain related enzymes.